

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052323\
 Data File : VY013830.D
 Acq On : 23 May 2023 12:08
 Operator : KP/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2023
 Supervised By :Mahesh Dadoda 05/24/2023

Quant Time: May 24 05:04:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:01:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	273340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	410416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	363898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	64714	20.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.722	113	54256	20.470	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.940%#		
50) Toluene-d8	10.179	98	212326	21.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	42.160%#		
62) 4-Bromofluorobenzene	12.483	95	69180	20.660	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	41.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	42810	17.098	ug/l	92
3) Chloromethane	2.119	50	50075	16.417	ug/l	96
4) Vinyl Chloride	2.253	62	52294	16.764	ug/l	99
5) Bromomethane	2.656	94	42809	17.270	ug/l	98
6) Chloroethane	2.796	64	34668	17.056	ug/l	98
7) Trichlorofluoromethane	3.131	101	94417	17.985	ug/l	100
8) Diethyl Ether	3.533	74	29558	18.356	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.911	101	52681	18.511	ug/l	100
10) Methyl Iodide	4.100	142	55323	16.374	ug/l	98
11) Tert butyl alcohol	4.984	59	25518	105.339	ug/l #	88
12) 1,1-Dichloroethene	3.881	96	47291	17.687	ug/l	96
13) Acrolein	3.735	56	40584	111.374	ug/l	99
14) Allyl chloride	4.485	41	86149	17.649	ug/l	99
15) Acrylonitrile	5.180	53	78203	94.720	ug/l	99
16) Acetone	3.960	43	85825	91.443	ug/l	100
17) Carbon Disulfide	4.204	76	125913	15.777	ug/l	98
18) Methyl Acetate	4.485	43	61634	18.929	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	134338	18.411	ug/l	100
20) Methylene Chloride	4.728	84	69765	19.410	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	50005	17.205	ug/l	94
22) Diisopropyl ether	6.124	45	173858	18.447	ug/l	96
23) Vinyl Acetate	6.070	43	489263	89.131	ug/l	99
24) 1,1-Dichloroethane	6.027	63	98849	17.966	ug/l	97
25) 2-Butanone	6.996	43	106678	93.147	ug/l	94
26) 2,2-Dichloropropane	6.990	77	89841	18.128	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	58703	17.979	ug/l	99
28) Bromochloromethane	7.338	49	33131	20.515	ug/l	97
29) Tetrahydrofuran	7.356	42	63392	92.709	ug/l	98
30) Chloroform	7.508	83	104201	18.680	ug/l	99
31) Cyclohexane	7.789	56	81252	16.723	ug/l #	94
32) 1,1,1-Trichloroethane	7.710	97	92083	18.095	ug/l	96
36) 1,1-Dichloropropene	7.923	75	73279	18.152	ug/l	99
37) Ethyl Acetate	7.076	43	48130	19.545	ug/l	99
38) Carbon Tetrachloride	7.905	117	86649	18.874	ug/l	99
39) Methylcyclohexane	9.191	83	81043	17.142	ug/l	96
40) Benzene	8.167	78	211465	18.237	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	25916	19.288	ug/l	92
42) 1,2-Dichloroethane	8.240	62	72799	19.176	ug/l	98
43) Isopropyl Acetate	8.277	43	85008	18.944	ug/l	98
44) Trichloroethene	8.947	130	56625	18.126	ug/l	92
45) 1,2-Dichloropropane	9.221	63	55288	18.613	ug/l	97
46) Dibromomethane	9.313	93	32240	18.952	ug/l	100
47) Bromodichloromethane	9.496	83	79711	19.227	ug/l	97
48) Methyl methacrylate	9.295	41	38647	18.341	ug/l	96
49) 1,4-Dioxane	9.307	88	7897m	394.989	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	237659	99.379	ug/l	100
52) Toluene	10.246	92	130396	18.444	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	78768	18.665	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	88649	18.751	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	44296	19.355	ug/l	98
56) Ethyl methacrylate	10.514	69	58411	19.119	ug/l	97
57) 1,3-Dichloropropane	10.788	76	75623	19.402	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	109540	112.371	ug/l	99
59) 2-Hexanone	10.831	43	167393	98.405	ug/l	100
60) Dibromochloromethane	10.983	129	56143	19.393	ug/l	99
61) 1,2-Dibromoethane	11.087	107	41679	19.144	ug/l	99
64) Tetrachloroethene	10.721	164	48993	18.196	ug/l	97
65) Chlorobenzene	11.520	112	143169	18.772	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	56143	19.073	ug/l	100
67) Ethyl Benzene	11.593	91	253511	18.471	ug/l	99
68) m/p-Xylenes	11.703	106	196154	37.765	ug/l	98
69) o-Xylene	12.032	106	92076	18.819	ug/l	97
70) Styrene	12.044	104	158834	19.165	ug/l	99
71) Bromoform	12.209	173	37791	19.643	ug/l #	97
73) Isopropylbenzene	12.331	105	247265	18.378	ug/l	99
74) N-amyl acetate	12.142	43	75107	18.567	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	52915	18.998	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	40258m	18.887	ug/l	
77) Bromobenzene	12.611	156	61231	18.547	ug/l	99
78) n-propylbenzene	12.672	91	302705	18.211	ug/l	100
79) 2-Chlorotoluene	12.757	91	170270	18.339	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	206070	18.554	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	18390	18.728	ug/l	98
82) 4-Chlorotoluene	12.855	91	177043	18.449	ug/l	99
83) tert-Butylbenzene	13.074	119	180908	18.702	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	202710	18.594	ug/l	99
85) sec-Butylbenzene	13.251	105	265751	18.495	ug/l	100
86) p-Isopropyltoluene	13.367	119	219910	18.517	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	117998	18.506	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	119432	18.814	ug/l	98
89) n-Butylbenzene	13.696	91	209839	18.425	ug/l	99
90) Hexachloroethane	13.965	117	45668	18.729	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	106468	18.788	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9779	20.040	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	64699	18.417	ug/l	99
94) Hexachlorobutadiene	15.111	225	41913	18.922	ug/l	98
95) Naphthalene	15.233	128	120079	18.697	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	57369	18.363	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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